

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Liu *et al.*

Patent No. 7,309,757

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Application No. 10/601,262

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For: POLYMERS FOR THE DELIVERY OF
BIOACTIVE AGENTS AND METHODS
OF THEIR PREPARATION

Examiner: Ana Lucrecia Woodward

Art Unit: 1711

Attorney Reference No. 6565-66243-01

FILED VIA ELECTRONIC FILING SYSTEM
COMMISSIONER FOR PATENTS

REQUEST FOR CERTIFICATE OF CORRECTION

The following printing errors were noted in comparing the printed patent with the papers in the attorneys' files:

In the Claims:

Claim 2, column 22, line 3, the following text should be inserted following "or more":

--heteroatoms selected from the group consisting of--

In the Specification:

Column 4, line 24 to Column 5, line 13 should be replaced with the following text (as is apparent from the application as originally filed):

--wherein:

each of R¹ and R³ is independently hydrogen, hydroxyl, halide, thiohydroxyl or hydrocarbyl;

R² is unsubstituted or substituted C₁₋₃₀ alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

unsubstituted or substituted C₂₋₃₀ alkenylene optionally containing one or more

heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C₂₋₃₀ alkynylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

R⁵ is:

(i) unsubstituted or substituted C₁₋₃₀ alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C₂₋₃₀ alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C₂₋₃₀ alkynylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or

(ii) -R⁶-M-R⁷, where

R⁶ is bonded to -N(R⁴)- and is unsubstituted or substituted C₁₋₆ alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S, or unsubstituted or substituted C₂₋₆ alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

M is CH or N; and

R⁷ is unsubstituted or substituted C₁₋₂₈ alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C₂₋₂₈ alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C₂₋₂₈ alkynylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

R⁴ is

(i) hydrocarbyl; or

(ii) when R⁵ is -R⁶-M-R⁷-, R⁴ is also bonded to M and is unsubstituted or substituted C₁₋₆ alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S, or unsubstituted or substituted C₂₋₆ alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; and R⁴, M, R⁶ and the nitrogen atom to which R⁴ and R⁶ are bonded form a saturated or unsaturated four- to twelve-membered heterocyclic ring,

with the proviso that R¹, R², R³, R⁴ and R⁵ cannot have a primary amino group, a secondary amino group, or a C=C double bond conjugated with a carbonyl group.

In a particular embodiment of the present invention, the invention relates to a poly(amino ester) compound comprising 1 to 2000 linear units independently selected from the group consisting of a linear unit of formula I and a linear unit of formula II and optionally comprising one or more linear--

Column 6, line 66, “R², R² and R³” should be changed to --R¹, R² and R³--

Column 7, line 35, “R¹, R², R³ R⁴” should be changed to --R¹, R², R³, R⁴--

All of the above errors are attributable to the Patent Office, and a Certificate of Correction is enclosed to make formal notice of the errors in the referenced patent.

Respectfully submitted,

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,309,757

DATED : December 18, 2007

INVENTOR(S) : Liu et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims:

Claim 2, column 22, line 3, the following text should be inserted following "or more":
--heteroatoms selected from the group consisting of--

In the Specification:

Column 4, line 24 to Column 5, line 13 should be replaced with the following text (as is apparent from the application as originally filed):

--wherein:

each of R^1 and R^3 is independently hydrogen, hydroxyl, halide, thiohydroxyl or hydrocarbyl;

R^2 is unsubstituted or substituted C_{1-30} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C_{2-30} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C_{2-30} alkynylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

R^5 is:

(i) unsubstituted or substituted C_{1-30} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C_{2-30} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C_{2-30} alkynylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or

(ii) $-R^6-M-R^7$, where

R^6 is bonded to $-N(R^4)-$ and is unsubstituted or substituted C_{1-6} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S, or unsubstituted or substituted C_{2-6} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

M is CH or N; and

R^7 is unsubstituted or substituted C_{1-28} alkylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; unsubstituted or substituted C_{2-28} alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; or unsubstituted or substituted C_{2-28} alkynylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S;

R^4 is

(i) hydrocarbyl; or

(ii) when R^5 is $-R^6-M-R^7$, R^4 is also bonded to M and is unsubstituted or substituted C_{1-6} alkylene optionally containing one or more heteroatoms selected

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from the group consisting of N, O and S, or unsubstituted or substituted C₂₋₆ alkenylene optionally containing one or more heteroatoms selected from the group consisting of N, O and S; and R⁴, M, R⁶ and the nitrogen atom to which R⁴ and R⁶ are bonded form a saturated or unsaturated four- to twelve-membered heterocyclic ring,

with the proviso that R¹, R², R³, R⁴ and R⁵ cannot have a primary amino group, a secondary amino group, or a C=C double bond conjugated with a carbonyl group.

In a particular embodiment of the present invention, the invention relates to a poly(amino ester) compound comprising 1 to 2000 linear units independently selected from the group consisting of a linear unit of formula I and a linear unit of formula II and optionally comprising one or more linear--

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Column 7, line 35, "R¹, R², R³ R⁴" should be changed to --R¹, R², R³, R⁴--